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(GP2-0200)

### REMARKS

#### References Cited on Information Disclosure Statements

The Office Action included a suggestion related to the length of the IDS. 2/11/04 Office Action, page 2.

Applicants' claims are direct to multi-component compositions and methods for forming them. Because it is difficult to predict which references might be combined by an Examiner under 35 U.S.C. §103(a), Applicants have exercised caution in citing references that appear to teach at least one of the recited components. In a further effort to comply with their duty to disclose, Applicants have considered references of record in conceptually (if not formally) related applications. These efforts to comply with their duty to disclose unavoidably led to a long list of documents, and Applicants cannot in good faith suggest that any of the references be ignored.

While not discounting the importance of any of the other references cited, Applicants offer the following list of references, all previously of record, believed to be among the most pertinent to their pending claims:

US 4,562,243 to Percec  
US 4,663,402 to Percec et al.  
US 4,665,137 to Percec  
US 5,079,268 Nelissen et al.  
US 5,091,480 to Percec  
US 5,171,761 to Penco et al.  
US 6,627,704 to Yeager et al. (cited as US 2001/0053820 A1)  
US 6,352,782 to Yeager et al.  
US 6,384,176 to Braat et al.  
US H521 to Fan  
USSN 10/063,292 to Merfeld et al.  
USSN 10/119,406 to Yeager et al.  
EP 261,574 to Peters et al.

Please note that this list includes references that have either not been published or were published after Applicants' filing date. The list should therefore NOT be interpreted as a concession that the listed references constitute prior art.

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### Claim Amendments

Claims 2, 4, and 6 have been canceled without prejudice.

Claim 5 has been amended to depend directly from Claim 1.

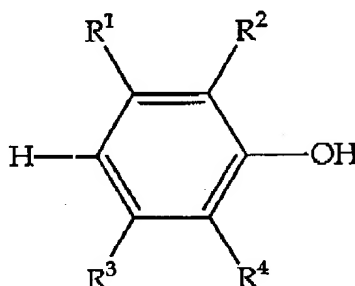
Claims 1, 31, 23, 34, 37, and 40 have been amended to recite a particular structure for the poly(arylene ether). Support for these amendments may be found, at least, in Claim 6 as filed.

### Claim Rejections Under 35 U.S.C. § 103(a)

Claims 1-4, 7-12, 14-32, and 34-40 stand rejected under 35 U.S.C. § 103(a), as allegedly unpatentable over U.S. Patent No. 3,637,578 to Wright et al. ("Wright"). Applicants respectfully traverse this rejection.

Wright generally describes thermosetting resin compositions made by combining a high-temperature thermoplastic resin, i.e., a polyphenylene ether polymer, with mixtures of reactive monomers and reactive-type polyester resins, each containing polymerizable carbon-to-carbon unsaturation. Wright abstract.

Applicants' rejected independent claims have been amended to recite particular poly(arylene ether) resins. Claims 1, 31, 32, 34, 37, and 40 have been amended to recite that the "the poly(arylene ether) is a capped poly(arylene ether) is produced by capping a poly(arylene ether) consisting essentially of the polymerization product of at least one monohydric phenol having the structure



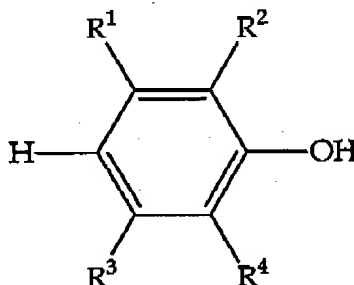


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Claims 1-32, and 34-40 stand rejected under 35 U.S.C. § 103(a), as allegedly unpatentable over U.S. Patent No. 5,965,663 to Hayase ("Hayase"). Applicants respectfully traverse this rejection.

Hayase generally describes a resin composition comprising (a) polyarylene polyether represented by the general formula of  $Z_1$ -(polyarylene polyether) chain- $Z_1'$  (wherein  $Z_1$  and  $Z_1'$  denote individually a monovalent organic group containing a cross-linkable unsaturated carbon-carbon linkage), and (b) an inorganic filler. Hayase abstract.

Hayase does not support a prima facie case of obviousness against the rejected claims because Hayase does not teach or suggest the capped poly(arylene ether) resins recited in Applicants' rejected independent Claims. As noted above, Applicants' Claims 1, 31, 32, 34, 37, and 40 have been amended to recite that the "the poly(arylene ether) is a capped poly(arylene ether) produced by capping a poly(arylene ether) consisting essentially of the polymerization product of at least one monohydric phenol having the structure



wherein  $R^1$ - $R^4$  are each independently hydrogen, halogen, primary or secondary  $C_1$ - $C_{12}$  alkyl,  $C_2$ - $C_{12}$  alkenyl,  $C_2$ - $C_{12}$  alkynyl,  $C_1$ - $C_{12}$  aminoalkyl,  $C_1$ - $C_{12}$  hydroxyalkyl, phenyl,  $C_1$ - $C_{12}$  haloalkyl,  $C_1$ - $C_{12}$  aminoalkyl,  $C_1$ - $C_{12}$  hydrocarbonoxy,  $C_2$ - $C_{12}$  halohydrocarbonoxy wherein at least two carbon atoms separate the halogen and oxygen atoms." Hayase does not teach or suggest such a capped poly(arylene ether) resin. Instead, Hayase teaches away from such resins by teaching numerous polyarylene ether structures, each of which incorporates groups other than phenylene ether in the internal chain. See Hayase, col. 3, ll. 52-67; col. 4, ll. 27-41; col. 8, ll. 21-33; col. 11, ll. 30-44; col. 14, ll. 45-52 and col. 15, ll. 5-50; cols. 21-26; and cols. 33-36. Hayase thus fails to